

	Patient II, WM left parietal region		Reference data, WM left parietal-occipital region			
Metabolite	Measurement 1	Measurement 2	Min/Max	Mean	SD	COV%
Ins	3.11	3.40	3.55/5.32	4.77	0.45	9.3
Ins/Cr+PCr	0.71	0.78	0.77/0.93	0.88	0.05	5.7
Cho	1.38	1.21	0.68/0.99	0.84	0.08	9.2
Cho/Cr+PCr	0.32	0.28	0.13/0.19	0.15	0.01	8.4
NAA	8.45	8.38	5.30/7.62	6.84	0.63	9.2
NAA/Cr+PCr	1.94	1.93	1.17/1.36	1.25	0.06	4.5
Cr+PCr	4.37	4.35	4.29/6.20	5.45	0.41	7.5
Glx	3.87	4.58	4.99/8.58	7.32	0.79	10.8
Glx/Cr+PCr	0.89	1.05	1.15/1.53	1.34	0.11	8.1

Table e-2. The single voxel spectroscopy (SVS) of the patient with a voxel of 30x20x20 mm³ was averaged 200 times. The results from the 1H-MR spectrum is shown in the table. In measurement I (before ACZ treatment) the Glx concentration was measured to 3.87 mmol/kg (SD 10%) and in measurement II (after ACZ treatment was started) the Glx concentration was measured to 4.58 mmol/kg (SD 11%). The reference data was acquired using the same scanner and sequence with a voxel of 20x20x20 mm³ and 128 averages. The reference sample consists of 20 healthy adults, mean age 41y (24-59), 5 men and 15 women. COV: Coefficient of variation.